

Title (en)

OXYGEN SCAVENGING POLYESTER BLENDS HAVING IMPROVED AESTHETIC CHARACTERISTICS

Title (de)

SAUERSTOFFABSORBIERENDE POLYESTERMISCHUNGEN MIT VERBESSERTEN ÄSTHETISCHEN EIGENSCHAFTEN

Title (fr)

MÉLANGES DE POLYESTER PIÉGEANT L'OXYGÈNE PRÉSENTANT DES CARACTÉRISTIQUES ESTHÉTIQUES AMÉLIORÉES

Publication

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Application

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- US 201562180861 P 20150617
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Abstract (en)

[origin: WO2016201322A1] Disclosed herein is an oxygen scavenging composition for containers. The oxygen scavenging composition for containers may comprise at least one polyester component, a transition metal catalyst, an oxygen scavenger, and a vegetable oil. The vegetable oil preferably comprises at least one molecule having a double allylic structure. The polyester component preferably comprises at least one acid unit and at least one diol unit. The concentration of double allylic structures of the vegetable oil in the composition may be greater than 5.0 meq/kg of all of the polyester components. The oxygen scavenger is preferably present in the composition at a level less than 1.0% by weight of the total composition. The vegetable oil is preferably present in the composition at a level greater than 0.3% by weight relative to the total weight of the polyester components, the transition metal catalyst and the vegetable oil.

IPC 8 full level

C08L 67/02 (2006.01); **C08K 5/103** (2006.01); **C08L 77/06** (2006.01)

CPC (source: EP KR RU US)

B01J 20/262 (2013.01 - KR); **B29C 49/0005** (2013.01 - RU US); **B29C 55/12** (2013.01 - KR); **B65D 25/00** (2013.01 - RU); **B65D 51/244** (2013.01 - KR); **B65D 81/266** (2013.01 - KR); **C08G 63/6858** (2013.01 - KR); **C08G 63/91** (2013.01 - KR); **C08J 5/18** (2013.01 - KR RU); **C08K 3/22** (2013.01 - KR US); **C08K 5/01** (2013.01 - RU); **C08K 5/098** (2013.01 - RU US); **C08K 5/103** (2013.01 - EP KR RU US); **C08K 5/20** (2013.01 - KR RU US); **C08K 5/3445** (2013.01 - RU US); **C08K 5/42** (2013.01 - KR); **C08K 11/00** (2013.01 - US); **C08L 67/02** (2013.01 - EP KR RU US); **C08L 67/03** (2013.01 - RU US); **C08L 67/04** (2013.01 - RU); **C08L 77/06** (2013.01 - EP KR RU US); **C08L 91/00** (2013.01 - RU US); **B29C 49/06** (2013.01 - US); **B29C 2949/0715** (2022.05 - EP); **B29K 2067/003** (2013.01 - US); **B29K 2105/0014** (2013.01 - US); **B29K 2995/0053** (2013.01 - US); **B29L 2031/7158** (2013.01 - US); **C08K 2003/2241** (2013.01 - KR US); **C08K 2201/012** (2013.01 - EP KR US); **C08L 2201/08** (2013.01 - US); **C08L 2203/10** (2013.01 - US); **C08L 2203/16** (2013.01 - US)

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